

Amendments to the Claims:

This listing of claims replaces all prior versions and listings of claims in the application:

Listing of Claims:

1. (Currently Amended) A battery system, comprising:  
a casing configured to receive one or more batteries and to be used with an electronic device; and  
a battery comprising  
a can having a rectangular cross section, the can having a closed end and an open end;  
a cathode in the can;  
an anode in the can;  
a separator between the cathode and the anode; and  
a seal assembly attached to the open end of the can,  
wherein the seal assembly comprises a seal and a current collector attached to the seal.
2. (Currently Amended) The battery system of claim 1, wherein the can comprises an air access opening.
3. (Currently Amended) The battery system of claim 1, wherein the cathode comprises manganese oxide.
4. (Currently Amended) The battery system of claim 1, wherein the cathode has a rectangular cross section.
5. (Currently Amended) The battery system of claim 1, wherein the anode comprises zinc.
6. (Canceled)
7. (Currently Amended) The battery system of claim 1, wherein the battery is a metal-air battery.
8. (Currently Amended) The battery of claim 1, A battery, comprising:  
a can having a rectangular cross section, the can having a closed end and an open end;

a cathode in the can;  
~~further comprising~~ a conductive hot melt material between the cathode and the can;  
an anode in the can;  
a separator between the cathode and the anode; and  
a seal assembly attached to the open end of the can,  
wherein the seal assembly comprises a seal and a current collector attached to the seal.

9. (Previously Presented) A battery, comprising:  
a can having a rectangular cross section, the can having a closed end and an open end;  
a cathode in the can;  
an anode in the can;  
a separator between the cathode and the anode;  
a seal assembly attached to the open end of the can; and  
a non-conductive melt between the cathode and the seal assembly.

10. (Original) The battery of claim 1, further comprising a barrier layer between the cathode and the can.

11. (Original) The battery of claim 10, wherein the barrier layer comprises polytetrafluoroethylene.

12. (Original) The battery of claim 1, wherein the cathode and the can define an air plenum therebetween.

13. (Original) The battery of claim 1, wherein the can has a square cross section.

14. (Canceled)

15. (Currently Amended) ~~The method of claim 14, A method of making a metal-air battery, the method comprising:~~  
placing a cathode tube in a can having a rectangular cross section and an air access opening;  
placing an anode in the can;  
placing a seal assembly in the can;  
sealing a portion of the can over the seal assembly; and  
further comprising placing a conductive melt in the can.

16. (Canceled)

17. (Canceled)

18. (Previously Presented) A method of making a metal-air battery, the method comprising:

placing a cathode tube in a can having a rectangular cross section and an air access opening;

placing an anode in the can;

placing a seal assembly in the can;

sealing a portion of the can over the seal assembly; and

placing a non-conductive melt between the cathode and the seal assembly.

19. (Canceled)

20. (Canceled)

21. (Previously Presented) A battery, comprising:

a can having a triangular cross section, the can having a closed end and an open end;

a cathode in the can;

an anode in the can;

a separator between the cathode and the anode; and

a seal assembly attached to the open end of the can,

wherein the seal assembly comprises a seal and a current collector attached to the seal.

22. (Original) The battery of claim 21, wherein the can comprises an air access opening.

23. (Original) The battery of claim 21, wherein the cathode comprises manganese oxide.

24. (Original) The battery of claim 21, wherein the cathode has a triangular cross section.

25. (Original) The battery of claim 21, wherein the battery is a metal-air battery.

26. (Original) A method of making a metal-air battery, the method comprising:

placing a cathode tube in a can having a triangular cross section and an air access opening;

placing an anode in the can;

placing a seal assembly in the can; and

sealing a portion of the can over the seal assembly.

27. (Currently Amended) A battery system, comprising:

a casing configured to receive one or more batteries and to be used with an electronic device; and

a battery comprising

a can having a polygonal cross section, the can having a closed end and an open end; ,

a cathode in the can, the cathode defining a cavity; ,  
an anode in the cavity; , and  
a separator between the cathode and the anode.

28. (Currently Amended) The battery system of claim 27, wherein the can has a rectangular cross section.

29. (Currently Amended) The battery system of claim 27, wherein the can has a square cross section.

30. (Currently Amended) The battery of claim 27, A battery, comprising:  
a can having a polygonal cross section, the can having a closed end and an open end,  
a cathode in the can, the cathode defining a cavity,  
an anode in the cavity, and  
a separator between the cathode and the anode,  
wherein the can has a triangular cross section.

31. (Currently Amended) The battery system of claim 27, wherein the can has a wall between the closed end and the open end, the wall having an air access opening.

32. (Currently Amended) The battery system of claim 27, wherein the can is electrically conductive.

33. (Currently Amended) A battery system, comprising:  
a casing configured to receive one or more batteries and to be used with an electronic device; and  
a battery comprising  
a can having a polygonal cross section, the can having a closed end, an open end, and a wall extending between the ends, the wall having an air access opening; ,  
a cathode in the can; ,  
an anode in the cavity; , and  
a separator between the cathode and the anode.

34. (Currently Amended) The battery system of claim 33, wherein the can has a rectangular cross section.

35. (Currently Amended) The battery system of claim 33, wherein the can has a square cross section.

36. (Currently Amended) The battery of claim 33, A battery, comprising:  
a can having a polygonal cross section, the can having a closed end, an open end, and a  
wall extending between the ends, the wall having an air access opening,  
a cathode in the can,  
an anode in the cavity, and  
a separator between the cathode and the anode,  
wherein the can has a triangular cross section.

37. (Currently Amended) A battery system, comprising:  
a casing configured to receive one or more batteries and to be used with an electronic  
device; and  
a battery comprising

a can having a polygonal cross section, the can having a closed end, an open end,  
and two walls extending between the ends, the distance between the ends being greater than the  
distance between the walls;  
a cathode in the can;  
an anode in the cavity; and  
a separator between the cathode and the anode.

38. (Currently Amended) The battery system of claim 37, wherein at least one wall has  
an air access opening.

39. (Currently Amended) The battery system of claim 37, wherein the cathode defines  
a cavity, and the anode is in the cavity.

40. (Currently Amended) The battery system of claim 37, wherein the can is  
electrically conductive.

41. (Currently Amended) The battery system of claim 37, wherein the can has a  
rectangular cross section.

42. (Currently Amended) The battery system of claim 37, wherein the can has a square  
cross section.

43. (Currently Amended) The battery of claim 37, A battery, comprising:  
a can having a polygonal cross section, the can having a closed end, an open end, and two  
walls extending between the ends, the distance between the ends being greater than the distance  
between the walls;  
a cathode in the can;  
an anode in the cavity; and  
a separator between the cathode and the anode,  
wherein the can has a triangular cross section.

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Page : 7 of 9

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44. (Currently Amended) The battery system of claim 37, further comprising a seal assembly attached to the open end, the seal assembly including a seal and a current collector.